

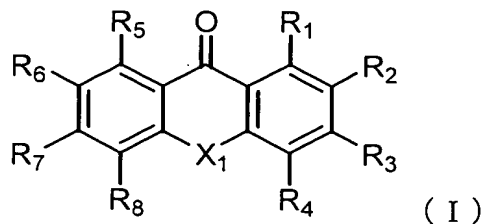
CLAIMS

1. A chemical amplification type positive resist composition comprising resin which itself is insoluble or poorly soluble in an alkali aqueous solution but becomes soluble in an alkali aqueous solution by the action of an acid, an acid generator and a compound having an aromatic ring, having a molecular weight of 1000 or less and showing light absorption of a 1000 liter/(mol*cm) or more in terms of molar extinction coefficient in a wavelength range from 190 nm to 260 nm, wherein the ratio of said compound is 0.01 to 20 % by weight based on the resin.

2. The composition according to Claim 1 wherein said compound is the one showing light absorption of a 1000 liter/(mol*cm) or more in terms of molar extinction coefficient in a wavelength range from 190 nm to 200 nm.

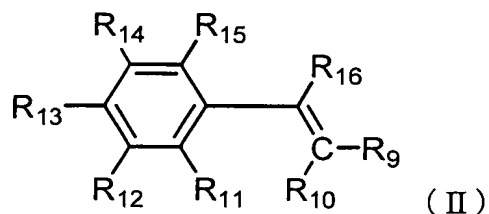
3. The composition according to Claim 1 wherein said compound is the one showing light absorption of a 1000 liter/(mol*cm) or more in terms of molar extinction coefficient in a wavelength range from 240 nm to 260 nm.

4. The composition according to Claim 1 wherein said compound is at least one compound selected from the group consisting of a compound of the formula (I)



wherein R₁, R₂, R₃, R₄, R₅, R₆, R₇ and R₈ each independently represent hydrogen, alkyl, alkoxy or hydroxyl, X₁ represents sulfur, oxygen or CH₂ and

a compound of the formula (II)



wherein R₉, R₁₀, R₁₁, R₁₂, R₁₃, R₁₄, R₁₅ and R₁₆ each independently represent hydrogen, alkyl, alkoxy, carboxylate group, cyano, amino, phenyl, carboxyl, benzoyl, hydroxyl or halogen, and at least one CH in the alkyl or alkoxy may be substituted by nitrogen.

5. The composition according to Claim 4 wherein R₁ to R₈ each independently represent hydrogen, alkyl having 1 to 8 carbon atoms or alkoxy having 1 to 8 carbon atoms and X₁ represents sulfur or oxygen.

10 6. The composition according to Claim 4 wherein R₉, R₁₀ and R₁₆ each independently represent hydrogen, cyano or carboxylate having 2 to 9 carbon atoms.

7. The composition according to Claim 6 wherein carboxylate having 2 to 9 carbon atoms is alkyloxycarbonyl having 2 to 9 carbon atoms.

15 8. The composition according to Claim 1 which further comprises organic base compound as a quencher.